

IN THE SPECIFICATION

The paragraph beginning at page 1, line 26 is amended as follows:

Unfortunately, a capacitor is not an ideal circuit element. In fact, the capacitor is typically modeled as a series circuit, as shown in prior art Figure 1. Here the equivalent circuit 101 for a motherboard power supply decoupling capacitor 103, a local bypass capacitor 104, and the connecting circuitry 102 between them can be seen. The power supply PS provides power to the equivalent circuit 101, which in turn passes the power on to the integrated circuit package IC. The equivalent circuit 101 may include, as modeled in this example, the mother board power supply decoupling capacitor 103 series elements C_{MB} , ESR_{MB} , and L_{MB} connected in parallel with the sum of the connecting circuitry 102 series elements $L_{PLNS+SKT}$ and $R_{PLNS+SKT}$ and the local bypass capacitor 104 series elements C_{CPKG} , ESR_{CPKG} , and L_{CPKG} .